

In the claims:

Pursuant to 37 C.F.R. 1.121(c), please cancel claims 2, 15, 16, 18 and 23 and amend claims 1, 3, 6, 7, 10-14, 17, 19 and 22, as indicated below. A complete listing of all claims in the application is provided immediately below.

COMPLETE LISTING OF ALL CLAIMS IN THE APPLICATION

1. (Currently amended) An optical connection terminal for use at a branch point in a fiber optic communications network including a distribution cable comprising a plurality of optical fibers and a mid-span access location provided on the distribution cable, the terminal comprising;

a base;

a cover attached to the base such that the base and the cover define an interior cavity;

a stub cable port provided in one of the base and cover through an exterior wall;

a stub cable comprising a first end received in the stub cable port and a second end configured for attachment to the distribution cable at the mid-span access location, the stub cable further comprising a plurality of optical fibers extending between the first end and the second end, each optical fiber of the stub cable having a fiber optic connector mounted thereon at the first end of the stub cable with the fiber optic connectors disposed within the interior cavity, each optical fiber of the stub cable also being optically connected at the second end of the stub cable to a corresponding one of the optical fibers of the distribution cable; and

a plurality of connector ports provided in an exterior wall of one of the base and the cover, each connector port extending through the exterior wall and adapted to receive one of the fiber optic connectors disposed within the interior cavity;

wherein one of the base and the cover comprises a fiber routing and slack storage hub disposed within the interior cavity for routing and storing excess lengths of the plurality of optical fibers of the stub cable.

2. (Canceled).

3. (Currently amended) The terminal of claim 2 1, wherein the fiber routing and slack storage hub comprises an outer wall defining a generally cylindrical surface, a flange extending radially outward and generally perpendicular to a plane tangent to the outer wall and at least one retaining tab extending radially outward from the flange.

4. (Original) The terminal of claim 1, wherein the base comprises opposed first and second end walls and a base panel having the connector ports formed therethrough.

5. (Original) The terminal of claim 4, wherein the base panel comprises a plurality of angled surfaces having the connector ports formed therethrough.

6. (Currently amended) The terminal of claim 4, An optical connection terminal for use at a branch point in a fiber optic communications network including a distribution cable comprising a plurality of optical fibers and a mid-span access location provided on the distribution cable, the terminal comprising:

a base;

a cover attached to the base such that the base and the cover define an interior cavity;

a stub cable port provided in one of the base and cover through an exterior wall;

a stub cable comprising a first end received in the stub cable port and a second end configured for attachment to the distribution cable at the mid-span access location, the stub cable further comprising a plurality of optical fibers extending between the first end and the second

end, each optical fiber of the stub cable having a fiber optic connector mounted thereon at the first end of the stub cable with the fiber optic connectors disposed within the interior cavity, each optical fiber of the stub cable also being optically connected at the second end of the stub cable to a corresponding one of the optical fibers of the distribution cable; and

a plurality of connector ports provided in an exterior wall of one of the base and the cover, each connector port extending through the exterior wall and adapted to receive one of the fiber optic connectors disposed within the interior cavity;

wherein the base comprises opposed first and second end walls and a base panel having the connector ports formed therethrough; and

wherein the stub cable port is disposed in the first end wall and wherein at least one drop cable is optically connected to a respective one of the connector ports from outside the base panel and extends away from the connector ports in substantially the same direction that the stub cable extends away from the terminal to provide a butt configuration terminal.

7. (Currently amended) The terminal of claim 4, wherein the stub cable port is disposed in the second end wall and wherein at least one drop cable is optically connected to a respective one of the connector ports from outside the base panel and extends away from the connector ports in substantially the opposite direction that the stub cable extends away from the terminal to provide a through configuration terminal.

8. (Original) The terminal of claim 1, wherein the cover comprises opposed first and second end walls and a cover panel having the connector ports formed therethrough.

9. (Original) The terminal of claim 8, wherein the cover panel comprises a plurality of angled surfaces having the connector ports formed therethrough.

10. (Currently amended) ~~The terminal of claim 8;~~ An optical connection terminal for use at a branch point in a fiber optic communications network including a distribution cable comprising a plurality of optical fibers and a mid-span access location provided on the distribution cable, the terminal comprising:

a base;

a cover attached to the base such that the base and the cover define an interior cavity;

a stub cable port provided in one of the base and cover through an exterior wall;

a stub cable comprising a first end received in the stub cable port and a second end configured for attachment to the distribution cable at the mid-span access location, the stub cable further comprising a plurality of optical fibers extending between the first end and the second end, each optical fiber of the stub cable having a fiber optic connector mounted thereon at the first end of the stub cable with the fiber optic connectors disposed within the interior cavity, each optical fiber of the stub cable also being optically connected at the second end of the stub cable to a corresponding one of the optical fibers of the distribution cable; and

a plurality of connector ports provided in an exterior wall of one of the base and the cover, each connector port extending through the exterior wall and adapted to receive one of the fiber optic connectors disposed within the interior cavity;

wherein the cover comprises opposed first and second end walls and a cover panel having the connector ports formed therethrough; and

wherein the stub cable port is disposed in the first end wall and ~~wherein~~ at least one drop cable is optically connected to a respective one of the connector ports from outside the cover panel and extends away from the connector ports in substantially the same direction that the stub cable extends away from the terminal to provide a butt configuration terminal.

11. (Currently amended) The terminal of claim 8, wherein the stub cable port is disposed in the second end wall and wherein at least one drop cable is optically connected to a respective one of the connector ports from outside the cover panel and extends away from the connector ports in substantially the opposite direction that the stub cable extends away from the terminal to provide a through configuration terminal.

12. (Currently amended) ~~The terminal of claim 4,~~ An optical connection terminal for use at a branch point in a fiber optic communications network including a distribution cable comprising a plurality of optical fibers and a mid-span access location provided on the distribution cable, the terminal comprising:

a base;

a cover attached to the base such that the base and the cover define an interior cavity;

a stub cable port provided in one of the base and cover through an exterior wall;

a stub cable comprising a first end received in the stub cable port and a second end configured for attachment to the distribution cable at the mid-span access location, the stub cable further comprising a plurality of optical fibers extending between the first end and the second end, each optical fiber of the stub cable having a fiber optic connector mounted thereon at the first end of the stub cable with the fiber optic connectors disposed within the interior cavity, each optical fiber of the stub cable also being optically connected at the second end of the stub cable to a corresponding one of the optical fibers of the distribution cable; and

a plurality of connector ports provided in an exterior wall of one of the base and the cover, each connector port extending through the exterior wall and adapted to receive one of the fiber optic connectors disposed within the interior cavity;

wherein the base comprises opposed first and second end walls and a base panel having the connector ports formed therethrough; and

wherein the stub cable port comprises a first stub cable port and a second stub cable port disposed on the opposed first and second end walls of the base.

13. (Currently amended) ~~The terminal of claim 8,~~ An optical connection terminal for use at a branch point in a fiber optic communications network including a distribution cable comprising a plurality of optical fibers and a mid-span access location provided on the distribution cable, the terminal comprising:

a base;

a cover attached to the base such that the base and the cover define an interior cavity;

a stub cable port provided in one of the base and cover through an exterior wall;

a stub cable comprising a first end received in the stub cable port and a second end configured for attachment to the distribution cable at the mid-span access location, the stub cable further comprising a plurality of optical fibers extending between the first end and the second end, each optical fiber of the stub cable having a fiber optic connector mounted thereon at the first end of the stub cable with the fiber optic connectors disposed within the interior cavity, each optical fiber of the stub cable also being optically connected at the second end of the stub cable to a corresponding one of the optical fibers of the distribution cable; and

a plurality of connector ports provided in an exterior wall of one of the base and the cover, each connector port extending through the exterior wall and adapted to receive one of the fiber optic connectors disposed within the interior cavity;

wherein the cover comprises opposed first and second end walls and a cover panel having the connector ports formed therethrough; and

wherein the stub cable port comprises a first stub cable port and a second stub cable port disposed on the opposed first and second end walls of the cover.

14. (Currently amended) A multi-port optical connection terminal for interconnecting one or more fiber optic drop cables with a fiber optic distribution cable, the multi-port terminal comprising:

a base and a cover attached to the base, the base and cover each having opposed first and second end walls, the base further comprising a base panel opposite the cover and the cover further comprising a cover panel opposite the base to define an interior cavity;

a first stub cable port provided in one of the base and the cover through one of the first and second end walls;

a first stub cable comprising a first end received in the cable port and a second end configured for attachment to the distribution cable, the first stub cable further comprising a plurality of optical fibers extending between the first end and the second end, each optical fiber having a fiber optic connector mounted thereon at the first end of the first stub cable with the fiber optic connectors disposed within the interior cavity, each optical fiber also being optically connected at the second end of the first stub cable to a corresponding optical fiber accessed and removed from the distribution cable; and

a plurality of connector ports disposed through one of the base panel and the cover panel, each connector port adapted to receive one of the fiber optic connectors from inside the terminal and a connectorized end of one of the fiber optic drop cables from outside the terminal;

wherein the first stub cable port is disposed in the first end wall of the base and the drop cable extends away from the connector ports in substantially the same direction that the first stub cable extends away from the terminal to provide a butt configuration terminal.

15. (Canceled).

16. (Canceled).

17. (Currently amended) ~~The multi-port terminal of claim 14;~~ A multi-port optical connection terminal for interconnecting one or more fiber optic drop cables with a fiber optic distribution cable, the multi-port terminal comprising:

a base and a cover attached to the base, the base and cover each having opposed first and second end walls, the base further comprising a base panel opposite the cover and the cover further comprising a cover panel opposite the base to define an interior cavity;

a first stub cable port provided in one of the base and the cover through one of the first and second end walls;

a first stub cable comprising a first end received in the cable port and a second end configured for attachment to the distribution cable, the first stub cable further comprising a plurality of optical fibers extending between the first end and the second end, each optical fiber having a fiber optic connector mounted thereon at the first end of the first stub cable with the fiber optic connectors disposed within the interior cavity, each optical fiber also being optically connected at the second end of the first stub cable to a corresponding optical fiber accessed and removed from the distribution cable; and

a plurality of connector ports disposed through one of the base panel and the cover panel, each connector port adapted to receive one of the fiber optic connectors from inside the terminal and a connectorized end of one of the fiber optic drop cables from outside the terminal;

wherein the first stub cable port is disposed in the first end wall of the cover and ~~wherein~~ the drop cable extends away from the connector ports in substantially the same direction that the first stub cable extends away from the terminal to provide a butt configuration terminal.

18. (Canceled).

19. (Currently amended) ~~The multi-port terminal of claim 14,~~ A multi-port optical connection terminal for interconnecting one or more fiber optic drop cables with a fiber optic distribution cable, the multi-port terminal comprising:

a base and a cover attached to the base, the base and cover each having opposed first and second end walls, the base further comprising a base panel opposite the cover and the cover further comprising a cover panel opposite the base to define an interior cavity;

a first stub cable port provided in one of the base and the cover through one of the first and second end walls;

a first stub cable comprising a first end received in the cable port and a second end configured for attachment to the distribution cable, the first stub cable further comprising a plurality of optical fibers extending between the first end and the second end, each optical fiber having a fiber optic connector mounted thereon at the first end of the first stub cable with the fiber optic connectors disposed within the interior cavity, each optical fiber also being optically connected at the second end of the first stub cable to a corresponding optical fiber accessed and removed from the distribution cable; and

a plurality of connector ports disposed through one of the base panel and the cover panel, each connector port adapted to receive one of the fiber optic connectors from inside the terminal and a connectorized end of one of the fiber optic drop cables from outside the terminal;

wherein one of the base and the cover further comprises a fiber routing and slack storage hub disposed therein for routing and storing excess lengths of the optical fibers of the first stub cable, the fiber routing and slack storage hub comprising an outer wall defining a generally cylindrical surface, a flange extending radially outward and generally perpendicular to a plane tangent to the outer wall and at least one retaining tab extending radially outward from the flange.

20. (Original) The multi-port terminal of claim 14, wherein the base panel further comprises a plurality of angled surfaces having the connector ports formed therethrough.

21. (Original) The multi-port terminal of claim 14, wherein the cover panel further comprises a plurality of angled surfaces having the connector ports formed therethrough.

22. (Currently amended) ~~The multi-port terminal of claim 14,~~ A multi-port optical connection terminal for interconnecting one or more fiber optic drop cables with a fiber optic distribution cable, the multi-port terminal comprising:

a base and a cover attached to the base, the base and cover each having opposed first and second end walls, the base further comprising a base panel opposite the cover and the cover further comprising a cover panel opposite the base to define an interior cavity;

a first stub cable port provided in one of the base and the cover through one of the first and second end walls;

a first stub cable comprising a first end received in the cable port and a second end configured for attachment to the distribution cable, the first stub cable further comprising a plurality of optical fibers extending between the first end and the second end, each optical fiber having a fiber optic connector mounted thereon at the first end of the first stub cable with the fiber optic connectors disposed within the interior cavity, each optical fiber also being optically connected at the second end of the first stub cable to a corresponding optical fiber accessed and removed from the distribution cable; and

a plurality of connector ports disposed through one of the base panel and the cover panel, each connector port adapted to receive one of the fiber optic connectors from inside the terminal and a connectorized end of one of the fiber optic drop cables from outside the terminal;

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wherein a second cable port is provided in the other of the base and the cover for receiving a first end of a second stub cable.

Claims 23-25 (Canceled).

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